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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=11; day=7; hr=13; min=8; sec=11; ms=493;]

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Application No: 10540479 Version No: 3.0

Input Set:

Output Set:

Started: 2008-10-07 13:01:05.576
Finished: 2008-10-07 13:01:21.326
Elapsed: 0 hr(s) 0 min(s) 15 sec(s) 750 ms
Total Warnings: 91
Total Errors: 79
No. of SeqIDs Defined: 99
Actual SeqID Count: 99

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
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W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-10-07 13:01:05.576
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Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (72)
E 257	Invalid sequence data feature in <221> in SEQ ID (72)
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E 257	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> GOLETZ, STEFFEN
DANIELCZYK, ANTJE
STAHN, RENATE
KARSTEN, UWE

<120> RECOGNITION MOLECULES FOR THE TREATMENT AND DETECTION
OF TUMORS

<130> VOSSM-0001

<140> 10540479
<141> 2006-05-10

<150> PCT/DE04/00132
<151> 2004-01-23

<150> DE 10303664.4
<151> 2003-01-23

<160> 99

<170> PatentIn Ver. 3.5

<210> 1
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1
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<220>
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peptide

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<210> 3
<211> 19
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

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Val Lys Gly

<210> 4

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

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Glu Ile Arg Leu Lys Ser Asn Asn Tyr Thr Thr His Tyr Ala Glu Ser

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Val Lys Gly

<210> 5

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Gly Gly Tyr Gly Phe Asp Tyr

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<210> 6

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

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His Tyr Tyr Phe Asp Tyr

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<220>
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<220>
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<210> 11
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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Phe Gln Gly Ser His Val Pro Leu Thr
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<210> 12
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Ala Gln Asn Leu Glu Leu Pro Pro Thr
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<210> 13
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<220>
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Asn Tyr Trp Val Asn
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<210> 14
<211> 5
<212> PRT
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<223> Description of Artificial Sequence: Synthetic peptide

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<210> 15
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<220>
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Asn Tyr Trp Tyr Asn
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<210> 16
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<210> 17
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<210> 18
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<220>
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Asp Ala Trp Val Asp
1 5

<210> 19

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<220>
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<400> 19
Asp Ala Trp Tyr Asp
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<210> 20
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<220>
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<210> 21
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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Val Lys Gly

<210> 22
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 22
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Val Lys Gly

<210> 23
<211> 19
<212> PRT
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<220>
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peptide

<400> 23
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Val Lys Gly

<210> 24
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 24
Arg Pro Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Glu
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<210> 25
<211> 16
<212> PRT
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<220>
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peptide

<400> 25
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1 5 10 15

<210> 26
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 26
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1 5 10 15

<210> 27
<211> 16
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 27
Arg Pro Ser Lys Ser Leu Leu His Ser Asn Gly Ile Thr Tyr Phe Phe
1 5 10 15

<210> 28
<211> 16
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peptide

<400> 28
Arg Ser Ser Lys Ser Leu Leu His Ser Asn Gly Ile Thr Tyr Leu Phe
1 5 10 15

<210> 29
<211> 16
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
peptide

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1 5 10 15

<210> 30
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 30
Phe Gln Gly Ser His Pro Pro Leu Thr
1 5

<210> 31
<211> 9
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 31
Ala Gln Asn Leu Glu Pro Pro Pro Thr
1 5

<210> 32
<211> 118
<212> PRT
<213> Mus musculus

<400> 32
Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
35 40 45

Ala Glu Ile Arg Ser Lys Ala Asn Asn His Ala Thr Tyr Tyr Ala Glu
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Val Ser Lys Ser Ser
65 70 75 80

Val Tyr Leu Gln Met Asn Asn Leu Arg Ala Glu Asp Thr Gly Ile Tyr
85 90 95

Tyr Cys Thr Arg Gly Gly Tyr Gly Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Thr Leu Thr Val Ser Ser
115

<210> 33
<211> 117
<212> PRT
<213> Mus musculus

<400> 33
Glu Val Lys Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15
Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30
Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
35 40 45
Ala Glu Ile Arg Leu Lys Ser Asn Asn Tyr Thr Thr His Tyr Ala Glu
50 55 60
Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ser
65 70 75 80
Val Ser Leu Gln Met Asn Asn Leu Arg Val Glu Asp Thr Gly Ile Tyr
85 90 95
Tyr Cys Thr Arg His Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Thr
100 105 110
Leu Thr Val Ser Ser
115

<210> 34
<211> 114
<212> PRT
<213> Mus musculus

<400> 34
Asp Ile Val Leu Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15
Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Ile Val His Ser
20 25 30
Asn Gly Asn Thr Tyr Leu Glu Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45
Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60
Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65 70 75 80
Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Phe Gln Gly
85 90 95
Ser His Val Pro Leu Thr Phe Gly Asp Gly Thr Lys Leu Glu Leu Lys
100 105 110
Arg Ala

<210> 35
<211> 114

<212> PRT

<213> Mus musculus

<400> 35

Asp Ile Val Met Thr Gln Ala Ala Phe Ser Asn Pro Val Thr Leu Gly
1 5 10 15

Thr Ser Ala Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Ser
20 25 30

Asn Gly Ile Thr Tyr Phe Phe Trp Tyr Leu Gln Lys Pro Gly Leu Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Gln Met Ser Asn Leu Ala Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Ser Ser Gly Ser Gly Thr Asp Phe Thr Leu Arg Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Gln Asn
85 90 95

Leu Glu Leu Pro Pro Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

Arg Ala

<210> 36

<211> 275

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
single chain Fv format

<400> 36

Glu Val Lys Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
35 40 45

Ala Glu Ile Arg Ser Lys Ala Asn Asn His Ala Thr Tyr Tyr Ala Glu
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Val Ser Lys Ser Ser
65 70 75 80

Val Tyr Leu Gln Met Asn Asn Leu Arg Ala Glu Asp Thr Gly Ile Tyr
85 90 95

Tyr Cys Thr Arg Gly Gly Tyr Gly Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Thr Leu Thr Val Ser Ser Ala Ser Ser Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Ser Ala Arg Asp Ile Val Leu Thr Gln Thr Pro
130 135 140

Leu Ser Leu Pro Val Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg
145 150 155 160

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Glu Trp
165 170 175

Tyr Leu Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val
180 185 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
195 200 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Leu
210 215 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Val Pro Leu Thr Phe Gly
225 230 235 240

Asp Gly Thr Lys Leu Glu Leu Lys Arg Ala Ala Ala His His His
245 250 255

His His Gly Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn
260 265 270

Gly Ala Ala
275

<210> 37

<211> 266

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
single chain Fv format

<400> 37

Glu Val Lys Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
35 40 45

Ala Glu Ile Arg Ser Lys Ala Asn Asn His Ala Thr Tyr Tyr Ala Glu

50	55	60
Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Val Ser Lys Ser Ser		
65	70	75
Val Tyr Leu Gln Met Asn Asn Leu Arg Ala Glu Asp Thr Gly Ile Tyr		
85	90	95
Tyr Cys Thr Arg Gly Gly Tyr Gly Phe Asp Tyr Trp Gly Gln Gly Thr		
100	105	110
Thr Leu Thr Val Ser Ser Ala Ser Ser Gly Ser Gly Ser Ser Ala Asp		
115	120	125
Ile Val Leu Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly Asp		
130	135	140
Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Ile Val His Ser Asn		
145	150	155
Gly Asn Thr Tyr Leu Glu Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro		
165	170	175
Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro Asp		
180	185	190
Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser		
195	200	205
Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Phe Gln Gly Ser		
210	215	220
His Val		